

L Number	Hits	Search Text	DB	Time stamp
1	2	((("6083379") or ("6162352"))).PN.	USPAT; US-PGPUB	2004/10/19 06:36
2	82	(nitride or nitrided) adj catalyst	USPAT; US-PGPUB	2004/10/19 06:58
3	12961	((cobalt and molybdenum) or (co and mo))same catalyst	USPAT; US-PGPUB	2004/10/19 06:37
4	12961	((cobalt and molybdenum) or (co and mo)) same catalyst	USPAT; US-PGPUB	2004/10/19 07:13
5	12	((nitride or nitrided) adj catalyst) and ((cobalt and molybdenum) or (co and mo)) same catalyst	USPAT; US-PGPUB	2004/10/19 06:37
6	21	(nitride or nitrided) adj catalyst	USOCR	2004/10/19 06:56
7	1	2758958.URPN.	USPAT	2004/10/19 06:50
8	3	((("1890434") or ("2623860") or ("2642385"))).PN.	USPAT; US-PGPUB	2004/10/19 06:51
9	67	(nitride or nitrided) adj catalyst	EPO; JPO; DERWENT	2004/10/19 06:56
10	5129	((cobalt and molybdenum) or (co and mo)) same catalyst	EPO; JPO; DERWENT	2004/10/19 06:56
11	3	((nitride or nitrided) adj catalyst) and ((cobalt and molybdenum) or (co and mo)) same catalyst	EPO; JPO; DERWENT	2004/10/19 06:56
12	6	((nitride or nitrided) adj catalyst) and (sulfided or sulfiding or sulfide)	USPAT; US-PGPUB	2004/10/19 07:12
13	8828	catalyst same treat\$4 same ammonia	USPAT; US-PGPUB	2004/10/19 07:13
14	1680	((cobalt and molybdenum) or (co and mo)) same catalyst) and (catalyst same treat\$4 same ammonia)	USPAT; US-PGPUB	2004/10/19 07:13
15	2349	catalyst with (sulfided or sulfiding)	USPAT; US-PGPUB	2004/10/19 07:13
16	298	((cobalt and molybdenum) or (co and mo)) same catalyst) and (catalyst same treat\$4 same ammonia) and (catalyst with (sulfided or sulfiding))	USPAT; US-PGPUB	2004/10/19 09:06
17	7	4886772.URPN.	USPAT	2004/10/19 07:48
18	4	("4698145" "4740491" "4748142" "4749673").PN.	USPAT	2004/10/19 07:49
19	6	("3459656" "3547807" "3592757" "3730878" "3779899" "3788972").PN.	USPAT	2004/10/19 08:27
20	9	4240900.URPN.	USPAT	2004/10/19 08:28
21	6	("3284344" "3308054" "3338819" "3477963" "3562800" "3717571").PN.	USPAT	2004/10/19 08:39
22	2	3859204.URPN.	USPAT	2004/10/19 08:39
23	4	3859202.URPN.	USPAT	2004/10/19 08:43
24	5	("3284344" "3308054" "3338819" "3562800" "3717571").PN.	USPAT	2004/10/19 08:44
26	73	molybdenum with nitride with catalyst	USPAT; US-PGPUB	2004/10/19 10:33
27	77	cobalt with nitride with catalyst	USPAT; US-PGPUB	2004/10/19 10:32
28	26	(molybdenum with nitride with catalyst) and (cobalt with nitride with catalyst)	USPAT; US-PGPUB	2004/10/19 10:32
29	17	molybdenum with nitrid\$3 with sulfid\$3 with catalyst	USPAT; US-PGPUB	2004/10/19 11:33
30	1	molybdenum with nitrid\$3 with sulfid\$3 with catalyst	EPO; JPO; DERWENT	2004/10/19 11:33
-	4	catalyst same (nitrided or nitriding) same (sulfided or sulfiding)	USPAT; US-PGPUB	2004/10/19 06:32
-	1	catalyst same (nitrided or nitriding) same (sulfided or sulfiding)	EPO; JPO; DERWENT	2004/10/18 15:34
-	1	catalyst same (nitrided or nitriding) same (sulfided or sulfiding)	USOCR	2004/10/18 15:35

Search History 10/19/04 11:42:46 AM Page 1

-	1	(cobalt and molybdenum) same (nitrided or nitriding) same (sulfided or sulfiding)	USOCR	2004/10/18 15:42
-	1	(cobalt and molybdenum) same (nitrided or nitriding) same (sulfided or sulfiding)	EPO; JPO; DERWENT	2004/10/18 15:36
-	1	(cobalt and molybdenum) same (nitrided or nitriding) same (sulfided or sulfiding)	USPAT;	2004/10/18 15:36
-	1	(cobalt and molybdenum) same (nitrided or nitriding) same catalyst	USPAT;	2004/10/19 06:36
-	145	(nitrided or nitriding) same catalyst	USPAT;	2004/10/18 15:40
-	2579	(sulfided or sulfiding) same catalyst	USPAT;	2004/10/18 15:40
-	9	((nitrided or nitriding) same catalyst) and ((sulfided or sulfiding) same catalyst)	USPAT;	2004/10/18 15:39
-	61	(nitrided or nitriding) same catalyst	USOCR	2004/10/18 15:40
-	1057	(sulfided or sulfiding) same catalyst	USOCR	2004/10/18 15:40
-	1	((nitrided or nitriding) same catalyst) and ((sulfided or sulfiding) same catalyst)	USOCR	2004/10/18 15:40
-	121	(nitrided or nitriding) same catalyst	EPO; JPO; DERWENT	2004/10/18 15:40
-	106	(sulfided or sulfiding) same catalyst	EPO; JPO; DERWENT	2004/10/18 15:40
-	1	((nitrided or nitriding) same catalyst) and ((sulfided or sulfiding) same catalyst)	EPO; JPO; DERWENT	2004/10/18 15:40
-	215	(cobalt and molybdenum) same (ammonia) same (sulfided or sulfiding)	USOCR	2004/10/18 15:42
-	214	(cobalt and molybdenum) same (ammonia) same (sulfided or sulfiding) same catalyst	USOCR	2004/10/18 15:42

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fields
NEWS 5 AUG 02 CAPLUS and CA patent records enhanced with European and Japan
Patent Office Classifications
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(Version 7.01 for Windows) now available
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NEWS 8 AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal
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FILE LAST UPDATED: 18 Oct 2004 (20041018/ED)

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=> s catalyst and nitrided and sulfided

669507 CATALYST

10753 NITRIDED

3709 SULFIDED

L1 23 CATALYST AND NITRIDED AND SULFIDED

=> d 1-23

L1 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2004:59450 CAPLUS

DN 140:96612

TI **Nitrided and sulfided** supported cobalt-molybdenum catalysts for hydrodesulfurization of heavy catalytic-cracked naphtha

IN Drake, Charles A.; Wu, An-hsiang

PA USA

SO U.S. Pat. Appl. Publ., 8 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 2004011705	A1	20040122	US 2001-23023	20011128
PRAI	US 2001-23023		20011128		

L1 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2003:16759 CAPLUS

DN 139:23431

TI Mesoporous materials as supports for heteropolyacid based catalysts

AU Gulbinska, M.; Wojtowski, M.; Laniecki, M.

CS Faculty of Chemistry, A. Mickiewicz University, Poznan, 60-780, Pol.

SO Studies in Surface Science and Catalysis (2002), 142B(Impact of Zeolites and Other Porous Materials on the New Technologies at the Beginning of the New Millennium), 1221-1228

CODEN: SSCTDM; ISSN: 0167-2991

PB Elsevier Science B.V.

DT Journal

LA English

OS CASREACT 139:23431

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD

STN Columbus

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2002:146055 CAPLUS

DN 136:357230

TI Effects of additives on the hydrodesulfurization of dibenzothiophene on **nitrided molybdena-alumina catalyst**

AU Nagai, Masatoshi; Irisawa, Atsushi; Omi, Shinzo

CS Graduate School of Bio-applications and Systems Engineering, Tokyo University of Agriculture and Technology, Tokyo, 184-8588, Japan

SO Studies in Surface Science and Catalysis (2001), 139(Catalyst Deactivation 2001), 431-438

CODEN: SSCTDM; ISSN: 0167-2991

PB Elsevier Science B.V.

DT Journal

LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2002:22812 CAPLUS

DN 136:202785

TI FT-IR Spectroscopic Studies of Thiophene Adsorption and Reactions on Mo₂N/γ-Al₂O₃ Catalysts

AU Wu, Zili; Li, Can; Wei, Zhaobin; Ying, Pinliang; Xin, Qin

CS State Key Laboratory of Catalysis Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, 116023, Peop. Rep. China

SO Journal of Physical Chemistry B (2002), 106(5), 979-987

CODEN: JPCBPK; ISSN: 1089-5647

PB American Chemical Society

DT Journal

LA English

RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2000:566876 CAPLUS

DN 133:254682

TI Deactivation and testing of molybdenum nitride catalysts in hydrodesulfurization of dibenzothiophene

AU Nagai, Masatoshi; Kiyoshi, Masaru; Omi, Shinzo

CS Graduate School of Bio-applications and Systems Engineering, Tokyo University of Agriculture and Technology, Tokyo, 184-8588, Japan

SO Studies in Surface Science and Catalysis (2000), 130C(International Congress on Catalysis, 2000, Pt. C), 2873-2878

CODEN: SSCTDM; ISSN: 0167-2991

PB Elsevier Science B.V.

DT Journal

LA English

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

, ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2000:534399 CAPLUS

DN 133:152936

TI Sulfur Effect on Mo₂N/γ-Al₂O₃ Catalyst Studied by in Situ FT-IR Spectroscopy

AU Wu, Zili; Chu, Yongjun; Yang, Shuwu; Wei, Zhaobin; Li, Can; Xin, Qin

STN Columbus

CS State Key Laboratory of Catalysis, Dalian Institute of Chemical Physics,
Chinese Academy of Sciences, Dalian, 116023, Peop. Rep. China
SO Journal of Catalysis (2000), 194(1), 23-32
CODEN: JCTLA5; ISSN: 0021-9517

PB Academic Press

DT Journal

LA English

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2000:414421 CAPLUS

DN 133:32487

TI Comparison of HDS of dibenzothiophene and HDN of quinoline over supported
Mo and CoMo **nitrided** and **sulfided** catalysts

AU Trawczynski, Janusz

CS Institute of Chemistry and Technology of Petroleum and Coal, Wroclaw
University of Technology, Wroclaw, 50-344, Pol.

SO Reaction Kinetics and Catalysis Letters (2000), 69(2), 293-298
CODEN: RKCLAU; ISSN: 0304-4122

PB Akademiai Kiado

DT Journal

LA English

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2000:414419 CAPLUS

DN 133:32486

TI Unsupported molybdenum and cobalt-molybdenum nitrides for thiophene
hydrodesulfurization

AU Trawczynski, Janusz

CS Institute of Chemistry and Technology of Petroleum and Coal, Wroclaw
University of Technology, Wroclaw, 50-344, Pol.

SO Reaction Kinetics and Catalysis Letters (2000), 69(2), 285-291
CODEN: RKCLAU; ISSN: 0304-4122

PB Akademiai Kiado

DT Journal

LA English

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2000:333093 CAPLUS

TI Deactivation and kinetics of hydrodesulfurization of dibenzothiophene on
nitrided molybdena-alumina catalysts.

AU Nagai, Masatoshi; Irisawa, Atsushi; Tominaga, Hiroyuki; Omi, Shinzo

CS B.A.S.E, Tokyo University of Agriculture Technology, Koganei, 184-8588,
Japan

SO Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March
26-30, 2000 (2000), PETR-105 Publisher: American Chemical Society,
Washington, D. C.
CODEN: 69CLAC

DT Conference; Meeting Abstract

LA English

L1 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2000:211362 CAPLUS

STN Columbus

DN 132:239167
 TI Deactivation and kinetics of hydrodesulfurization of dibenzothiophene on **nitrided** molybdena-alumina catalysts
 AU Nagai, Masatoshi; Irisawa, Atsushi; Tominaga, Hiroyuki; Omi, Shinzo
 CS Graduate School of Bio-applications and Systems Engineering, Tokyo University of Agriculture and Technology, Tokyo, 184-8588, Japan
 SO Preprints - American Chemical Society, Division of Petroleum Chemistry (2000), 45(2), 323-324
 CODEN: ACPCAT; ISSN: 0569-3799
 PB American Chemical Society, Division of Petroleum Chemistry
 DT Journal
 LA English
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2000:200588 CAPLUS
 DN 132:295909
 TI Effect of synthesis conditions on the hydrodesulfurization and hydrodenitrogenation activities of alumina supported Mo and CoMo nitrides
 AU Trawczynski, J.
 CS Institute of Chemistry and Technology of Petroleum and Coal, Wroclaw University of Technology, Wroclaw, 50-344, Pol.
 SO Applied Catalysis, A: General (2000), 197(2), 289-293
 CODEN: ACAGE4; ISSN: 0926-860X
 PB Elsevier Science B.V.
 DT Journal
 LA English
 RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 2000:153644 CAPLUS
 DN 132:182834
 TI Effect of synthesis conditions on hydrodesulfurization and hydrodenitrogenation activities of supported Mo and CoMo nitrides
 AU Trawczynski, Janusz
 CS Institute of Chemistry and Technology of Petroleum and Coal, Wroclaw University of Technology, Wroclaw, 50-344, Pol.
 SO Prace Naukowe Instytutu Chemii i Technologii Nafty i Wegla Politechniki Wroclawskiej (1999), 56(Catalysis and Adsorption in Fuel Processing and Environmental Protection), 75-80
 CODEN: PNTNAI
 PB Oficyna Wydawnicza Politechniki Wroclawskiej
 DT Journal
 LA English
 RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 1999:793948 CAPLUS
 DN 132:52104
 TI The **nitrided** CoMo catalysts for hydrodesulfurization and hydrodenitrogenation
 AU Nagai, M.; Koyama, H.; Sakamoto, S.; Omi, S.
 CS Graduate School of Bio-applications and Systems Engineering, Tokyo University of Agriculture and Technology, Tokyo, 184-8588, Japan
 SO Studies in Surface Science and Catalysis (1999), 127(Hydrotreatment and Hydrocracking of Oil Fractions), 195-202

STN Columbus

CODEN: SSCTDM; ISSN: 0167-2991
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 1999:258515 CAPLUS
DN 130:354444
TI Synthesis, characterization and evaluation of bimetallic/promoted carbides and nitrides for hydrodesulfurization catalysis
AU Bussell, Mark E.; Mills, Patrick; Woodruff, Brian P.; Main, Rebekah; Phillips, Diana C.
CS Department of Chemistry, MS-9150, Western Washington University, Bellingham, WA, 98225, USA
SO Preprints - American Chemical Society, Division of Petroleum Chemistry (1999), 44(2), 206-208
CODEN: ACPCAT; ISSN: 0569-3799
PB American Chemical Society, Division of Petroleum Chemistry
DT Journal
LA English
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 1999:201444 CAPLUS
DN 130:340344
TI Bifunctional Behavior of Bulk MoOxNy and **Nitrided** Supported NiMo **Catalyst** in Hydrodenitrogenation of Indole
AU Miga, K.; Stanczyk, K.; Sayag, C.; Brodzki, D.; Djega-Mariadassou, G.
CS Institute of Coal Chemistry, Polish Academy of Sciences, Gliwice, 44-102, Pol.
SO Journal of Catalysis (1999), 183(1), 63-68
CODEN: JCTLA5; ISSN: 0021-9517
PB Academic Press
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 1999:82900 CAPLUS
DN 130:184622
TI NiMoNx/ γ -Al₂O₃ **catalyst** for HDN of pyridine
AU Chu, Yongjun; Wei, Zhaobin; Yang, Shuwu; Li, Can; Xin, Qin; Min, Enze
CS State Key Laboratory of Catalysis, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, 116023, Peop. Rep. China
SO Applied Catalysis, A: General (1999), 176(1), 17-26
CODEN: ACAGE4; ISSN: 0926-860X
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 1998:577213 CAPLUS

STN Columbus

DN 129:247399
 TI XPS Study of the Deactivation and Sulfiding of **Nitrided**
 Molybdena-Alumina **Catalyst** during the Hydrodesulfurization of
 Dibenzothiophene
 AU Nagai, Masatoshi; Irisawa, Atsushi; Omi, Shinzo
 CS Department of Advanced Materials Graduate School of Bio-applications and
 Systems Engineering, Tokyo University of Agriculture and Technology,
 Koganei Tokyo, 184, Japan
 SO Journal of Physical Chemistry B (1998), 102(39), 7619-7626
 CODEN: JPCBFK; ISSN: 1089-5647
 PB American Chemical Society
 DT Journal
 LA English
 RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
Full Text
 AN 1998:374151 CAPLUS
 DN 129:69675
 TI Hydrodesulfurization of dibenzothiophene on a **nitrided** supported
 molybdena-alumina **catalyst**
 AU Nagai, Masatoshi; Goto, Yosuke; Sasuga, Hiroshi; Omi, Shinzo
 CS Department of Advanced Materials, Graduate School of Bio-applications and
 Systems Engineering, Tokyo University of Agriculture and Technology,
 Tokyo, 184, Japan
 SO Studies in Surface Science and Catalysis (1997), 111(Catalyst Deactivation
 1997), 439-445
 CODEN: SSCTDM; ISSN: 0167-2991
 PB Elsevier Science B.V.
 DT Journal
 LA English
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
Full Text
 AN 1998:74828 CAPLUS
 DN 128:156375
 TI Hydrodesulfurization of dibenzothiophene on **nitrided** Mo/Al₂O₃ catalysts
 AU Nagai, Masatoshi; Goto, Yosuke; Sasuga, Hiroshi; Omi, Shinzo
 CS Graduate Sch. Bio-applications Systems Eng. Dep. Chem. Eng., Tokyo Univ.
 Agric. Technol., Koganei, 184, Japan
 SO Journal of the European Ceramic Society (1997), 17(15-16), 1983-1987
 CODEN: JECSEJ; ISSN: 0955-2219
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN
Full Text
 AN 1997:466166 CAPLUS
 DN 127:123869
 TI Hydrodesulfurization characteristics over alumina-supported
 molybdenum-based catalysts: relation between **catalyst** phase and activity
 AU Park, Hea-Kyung; Lee, Jihm-Koo; Kim, Kyung-Lim
 CS Department Chemical Engineering, Hanseo University, S. Korea
 SO Hwahak Konghak (1997), 35(2), 276-281
 CODEN: HHKHAT; ISSN: 0304-128X
 PB Korean Institute of Chemical Engineers

STN Columbus

DT Journal
LA Korean

L1 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 1996:415393 CAPLUS

TI The hydrodesulfurization of dibenzothiophene on supported molybdenum nitride catalysts.

AU Nagai, Mastoshi; Goto, Yosuke; Sasuga, Hiroshi; Omi, Shinzo

CS Graduate School Bio-Applications and Systems Engineering, Tokyo University Agriculture and Technology, Koganei, 184, Japan

SO Book of Abstracts, 212th ACS National Meeting, Orlando, FL, August 25-29 (1996), PETR-028 Publisher: American Chemical Society, Washington, D. C. CODEN: 63BFAF

DT Conference; Meeting Abstract

LA English

L1 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 1989:426082 CAPLUS

DN 111:26082

TI Influence of support on the performance of coal liquid hydrotreating catalysts

AU McCormick, Robert L.; King, Julia A.; King, Todd R.; Haynes, Henry W., Jr.

CS Dep. Chem. Eng., Univ. Wyoming, Laramie, WY, 82071, USA

SO Industrial Engineering Chemistry Research (1989), 28(7), 940-7 CODEN: IECRED; ISSN: 0888-5885

DT Journal

LA English

L1 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

AN 1988:552896 CAPLUS

DN 109:152896

TI Improved coal liquefaction using carbon-supported hydrogenation catalysts: final technical report for the period October 1983-March 1987

AU Scaroni, A. W.; Derbyshire, F. J.; Abotsi, G. M. K.; Solar, J. M.

CS Pennsylvania State Univ., University Park, PA, USA

SO Report (1987), DOE/PC/60050-12; Order No. DE87012716, 177 pp. Avail.: NTIS

From: Energy Res. Abstr. 1988, 13(1), Abstr. No. 34

DT Report

LA English

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FULL ESTIMATED COST

30.72

30.93

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